

# Recovery Plan Action Status

Plan Name: Pitcher's Thistle (*Cirsium pitcheri*) Recovery Plan

Plan Status: Final

Plan Date: 20-Sep-02

Lead Agency: USFWS

Lead Office: East Lansing Ecological Services Field Office

(517)  
351-2555 )

Species	Action Priority #	Action #	Action Description	Action Status	Est. Initiation Date	Est. Completion Date	Responsible Parties	Work Type	Labor Type	Action Comments
Pitcher's thistle ( <i>Cirsium pitcheri</i> )	2	111	Provide current site occurrence information to land managers.	Ongoing Current	FY 2000 - FY 2004		Michigan Department of Natural Resources, Indiana Department of Natural Resources, Michigan Natural Features Inventory, Wisconsin Department of Natural Resources	Management: General	Labor type not yet selected	FY6 through 14 \$117000
Pitcher's thistle ( <i>Cirsium pitcheri</i> )	2	112	Update Federal lands records.	Ongoing Current	FY 2000 - FY 2004		National Park Service, U.S. Fish and Wildlife Service, U.S. Geological Survey, U.S. Forest Service	Work type not yet selected	Labor type not yet selected	Fy6 through 14 \$63000
Pitcher's thistle ( <i>Cirsium pitcheri</i> )	2	113	Update State lands records.	Ongoing Current	FY 2000 - FY 2004		Michigan Department of Natural Resources, Indiana Department of Natural Resources, Michigan Natural Features Inventory, Wisconsin Department of Natural Resources	Work type not yet selected	Labor type not yet selected	FY6 through 14 \$63000
Pitcher's thistle ( <i>Cirsium pitcheri</i> )	2	114	Update local, county and municipal records.	Ongoing Current	FY 2000 - FY 2004		Michigan Department of Natural Resources, Indiana Department of Natural Resources, Wisconsin Department of Natural Resources	Work type not yet selected	Labor type not yet selected	FY6 through 14 \$63000

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Pitcher's thistle (Cirsium pitcheri)	1	12	Develop and implement management and long-term monitoring plans specific to the land manager; Federal, State, local, county and municipal.	Complete	FY 2000 - FY 2004	FY 2010	National Park Service, U.S. Fish and Wildlife Service, U.S. Geological Survey, U.S. Forest Service, Michigan Department of Natural Resources, Indiana Department of Natural Resources, Wisconsin Department of Natural Resources	Management: Planning	Internal Administrative, Internal Field Assistance, Internal Technical Assistance, Species Expert, Volunteer	FY6 through 14 \$180000 Management plan completed for State Of Michigan: invasive species removal & control at state parks, but not monitoring & surveys. NPS manages & monitors its occurrences. USFS manages & monitors its occurrences.
Pitcher's thistle (Cirsium pitcheri)	2	13	Where indicated by management plans, identify essential habitat as special restricted use areas.	Ongoing Current	FY 2000 - FY 2004		National Park Service, U.S. Fish and Wildlife Service, U.S. Geological Survey, U.S. Forest Service, Michigan Department of Natural Resources, Indiana Department of Natural Resources, Wisconsin Department of Natural Resources	Work type not yet selected	Labor type not yet selected	FY6 through 14 \$117000
Pitcher's thistle (Cirsium pitcheri)	2	141	Develop or continue landowner contact programs.	Ongoing Current	FY 2000 - FY 2004		Michigan Department of Natural Resources, Indiana Department of Natural Resources, Wisconsin Department of Natural Resources	Work type not yet selected	Labor type not yet selected	FY6 through 14 \$117000
Pitcher's thistle (Cirsium pitcheri)	2	142	Encourage conservation groups to work with private landowners.	Ongoing Current	FY 2000 - FY 2004		Michigan Department of Natural Resources, The Nature Conservancy, Indiana Department of Natural Resources, Wisconsin Department of Natural Resources	Work type not yet selected	Labor type not yet selected	FY6 through 14 \$63000

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Pitcher's thistle (Cirsium pitcheri)	2	151	Develop and distribute maps of essential habitat patches for managers.	Ongoing Current	FY 2000 - FY 2004		Michigan Department of Natural Resources, The Nature Conservancy, Indiana Department of Natural Resources, Wisconsin Department of Natural Resources	Work type not yet selected	Labor type not yet selected	FY6 through 14 \$63000
Pitcher's thistle (Cirsium pitcheri)	2	152	Coordinate conservation and management among multiple owners within each patch of essential habitat.	Ongoing Current	FY 2000 - FY 2004		Michigan Department of Natural Resources, The Nature Conservancy, Indiana Department of Natural Resources, Wisconsin Department of Natural Resources	Work type not yet selected	Labor type not yet selected	FY6 through 14 \$63000. As ownership changes new owners will need to be contacted.
Pitcher's thistle (Cirsium pitcheri)	2	153	Coordinate permit reviews of shoreline area projects that may affect Pitcher's thistle.	Ongoing Current	FY 2000 - FY 2004		National Park Service, U.S. Fish and Wildlife Service, U.S. Geological Survey, U.S. Forest Service, Michigan Department of Natural Resources, Indiana Department of Natural Resources, Wisconsin Department of Natural Resources	Work type not yet selected	Labor type not yet selected	FY6 through 14 \$63000
Pitcher's thistle (Cirsium pitcheri)	2	21	Estimate population size and age class distribution.	Ongoing Current	FY 2000 - FY 2004		Michigan Department of Natural Resources, The Nature Conservancy, Indiana Department of Natural Resources, Michigan Natural Features Inventory, Wisconsin Department of Natural Resources	Work type not yet selected	Labor type not yet selected	FY6 through 14 \$117000

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Pitcher's thistle (Cirsium pitcheri)	2	22	Map metapopulations.	Ongoing Current	FY 2000 - FY 2004		Michigan Department of Natural Resources, The Nature Conservancy, Indiana Department of Natural Resources, Michigan Natural Features Inventory, Wisconsin Department of Natural Resources	Work type not yet selected	Labor type not yet selected	FY6 through 14 \$117000
Pitcher's thistle (Cirsium pitcheri)	2	31	Develop and distribute informational materials pertinent to the habitat, biology and protection of Pitcher s thistle.	Ongoing Current	FY 2000 - FY 2004		Michigan Department of Natural Resources, The Nature Conservancy, Indiana Department of Natural Resources, Wisconsin Department of Natural Resources	Work type not yet selected	Labor type not yet selected	FY6 through 14 \$117000
Pitcher's thistle (Cirsium pitcheri)	2	32	Communicate with user groups (e.g. ORV clubs) the need to protect Pitcher s thistle and how the group(s) can assist in these efforts.	Ongoing Current	FY 2000 - FY 2004		Michigan Department of Natural Resources, The Nature Conservancy, Indiana Department of Natural Resources, Wisconsin Department of Natural Resources	Work type not yet selected	Labor type not yet selected	FY6 through 14 \$117000
Pitcher's thistle (Cirsium pitcheri)	2	41	Monitor occurrences for population changes, to identify threats, and to reevaluate protection priorities.	Ongoing Current	FY 2000 - FY 2004		Michigan Department of Natural Resources, The Nature Conservancy, Indiana Department of Natural Resources, Michigan Natural Features Inventory, Wisconsin Department of Natural Resources	Work type not yet selected	Labor type not yet selected	FY6 through 14 \$585000

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Pitcher's thistle (Cirsium pitcheri)	2	42	Monitor implementation of management plans for all publicly-owned occurrences.	Ongoing Current	FY 2000 - FY 2004		National Park Service, U.S. Fish and Wildlife Service, U.S. Geological Survey, U.S. Forest Service, Michigan Department of Natural Resources, Indiana Department of Natural Resources, Wisconsin Department of Natural Resources	Work type not yet selected	Labor type not yet selected	FY6 through 14 \$117000
Pitcher's thistle (Cirsium pitcheri)	3	51	Review historical records and select restoration sites.	Partially Complete	FY 2000 - FY 2004	FY 2014	Botanical Gardens, U.S. Geological Survey, U.S. Forest Service, Universities	Research: Reintroduction	Contract, Graduate Student	FY6 through 14 \$0
Pitcher's thistle (Cirsium pitcheri)	3	521	Develop genetic guidelines.	Not Started	FY 2000 - FY 2004		Botanical Gardens, U.S. Geological Survey, U.S. Forest Service, Universities	Work type not yet selected	Labor type not yet selected	FY6 through 14 \$80000
Pitcher's thistle (Cirsium pitcheri)	3	522	Develop propagation and establishment guidelines.	Ongoing Not Current	FY 2000 - FY 2004		Botanical Gardens, U.S. Geological Survey, U.S. Forest Service, Universities	Research: Propagation	Labor type not yet selected	FY6 through 14 \$14000
Pitcher's thistle (Cirsium pitcheri)	3	53	Implement, monitor, and evaluate restoration projects.	Ongoing Current	FY 2000 - FY 2004		Botanical Gardens, U.S. Geological Survey, U.S. Forest Service, Universities	Work type not yet selected	Labor type not yet selected	FY6 through 14 \$130000 FY2010 GLRI funding of 84,817 (R3 & ELFO)
Pitcher's thistle (Cirsium pitcheri)	3	61	Study seedbank and seed dispersal.	Ongoing Current	FY 2000 - FY 2004		Botanical Gardens, U.S. Geological Survey, U.S. Forest Service, Universities	Work type not yet selected	Labor type not yet selected	FY6 through 14 \$66000. Work continued into 2010 and 2011 with GLRI funding.
Pitcher's thistle (Cirsium pitcheri)	3	62	Use genetics to investigate breeding system and population viability.	Ongoing Current	FY 2000 - FY 2004		Botanical Gardens, U.S. Geological Survey, U.S. Forest Service, Universities	Work type not yet selected	Labor type not yet selected	FY6 through 14 \$260000
Pitcher's thistle (Cirsium pitcheri)	3	63	Evaluate Pitcher's thistle response to trampling.	Not Started	FY 2000 - FY 2004		Botanical Gardens, U.S. Geological Survey, U.S. Forest Service, Universities	Work type not yet selected	Labor type not yet selected	FY6 through 14 \$26000

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Pitcher's thistle (Cirsium pitcheri)	3	64	Investigate establishment and transplant techniques for restoration.	Ongoing Current	FY 2000 - FY 2004		Botanical Gardens, U.S. Geological Survey, U.S. Forest Service, Universities	Work type not yet selected	Contract	FY6 through 14 \$0 2010 GLRI funding \$12000
Pitcher's thistle (Cirsium pitcheri)	1	65	Evaluate risk of flowerhead weevil and other biological control agents on seed production and, if necessary, possible methods of reducing risk.	Ongoing Current	FY 2000 - FY 2004		Botanical Gardens, U.S. Geological Survey, U.S. Forest Service, Universities	Research	Contract, Graduate Student	FY6 through 14 \$130000
Pitcher's thistle (Cirsium pitcheri)	2	66	Study non-native weed invasion and determine the degree of threat.	Ongoing Current	FY 2000 - FY 2004		Botanical Gardens, U.S. Geological Survey, U.S. Forest Service, Universities	Work type not yet selected	Labor type not yet selected	FY6 through 14 \$26000